

WEB DESIGN & DEVELOPMENT AAS

The Web Design & Development Associate's Degree prepares students with the skills necessary for organizational web design, development, and management. Course work includes applying current trends in web technology, standards, and applications to real-world projects. Successful students will be able to work in development teams and effectively communicate in the web design and development industry.

Upon completion of this degree, students will:

- Describe and define the roles of a web designer and web developer
- Demonstrate the ability to publish and update web sites and set up a domain
- Construct and design a web page, site, and application using standards-driven HTML and CSS
- Implement event-driven programming on a web page using JavaScript
- Distinguish between content management systems and demonstrate their use and utility
- Complete a web design and development portfolio
- Demonstrate understanding of web-based graphic design, image editing, and design layout
- Compare JavaScript frameworks and demonstrate their use in the building of a client-oriented web application
- Research and describe solutions to customer requirements through a web development capstone project

Completion of a Technical Skills Assessment is required.

General Education Requirements

Code	Title	Credits
Written Communication		
Select one of the following:		3.00
ENGL-101	WRITING AND RHETORIC I	
Oral Communication		
Select one of the following:		3.00
COMM-101	FUNDAMENTALS OF ORAL COMMUNICATION	
COMM-203	SMALL GROUP COMMUNICATION	
COMM-204	PUBLIC SPEAKING	
Mathematical Ways of Knowing		
Select one of the following:		3.00-5.00
MATH-123	MATH IN MODERN SOCIETY	
MATH-130	FINITE MATHEMATICS	
MATH-143	PRECALCULUS I: ALGEBRA	
MATH-147	PRECALCULUS (or MATH-147A & MATH-147B)	
MATH-153	STATISTICAL REASONING	
MATH-170	CALCULUS I	
MATH-253	STATISTICAL METHODS FOR THE SCIENCES	
MATH-257	MATHEMATICS FOR ELEMENTARY TEACHERS II	
MTHPT-130	FINITE MATHEMATICS	
MTHPT-137	MATH FOR TECHNOLOGY	
MTHPT-153	STATISTICAL REASONING	
Social & Behavioral Ways of Knowing		
Select one of the following:		3.00
ANTH-102	CULTURAL ANTHROPOLOGY	
ANTH-120	WORLD PREHISTORY	
ANTH-170	INTRODUCTION TO NATIVE AMERICAN STUDIES	
ECON-201	PRINCIPLES OF MACROECONOMICS	
ECON-202	PRINCIPLES OF MICROECONOMICS	
GEOG-102	INTRODUCTION TO GEOGRAPHY	
HIST-101	WORLD HISTORY I	
HIST-102	WORLD HISTORY II	
HIST-111	UNITED STATES HISTORY I	

HIST-112	UNITED STATES HISTORY II
HRPT-184	DIVERSITY IN ORGANIZATIONS
HRPT-185	HUMAN RELATIONS IN ORGANIZATIONS
POLS-101	AMERICAN NATIONAL GOVERNMENT
POLS-237	INTERNATIONAL POLITICS
POLS-285	COMPARATIVE GOVERNMENT
PSYC-101	INTRODUCTION TO GENERAL PSYCHOLOGY
PSYC-205	LIFESPAN DEVELOPMENTAL PSYCHOLOGY
SOC-101	INTRODUCTION TO SOCIOLOGY
SOC-102	SOCIAL PROBLEMS
SS-184	DIVERSITY IN ORGANIZATIONS
SS-185	HUMAN RELATIONS IN ORGANIZATIONS

Additional General Education Core

Select one of the following: 3.00

ART-100	INTRODUCTION TO ART
BIOF-100	INTRODUCTION TO BIOINFORMATICS
BIOL-100	CONCEPTS OF BIOLOGY
BIOL-120	PLANTS AND PEOPLE
BIOL-123	BIOLOGY IN FILM
BIOL-175	HUMAN BIOLOGY
BIOL-227	HUMAN ANATOMY AND PHYSIOLOGY I
CHEM-100	CONCEPTS OF CHEMISTRY
CHEM-105	GENERAL, ORGANIC AND BIOCHEMISTRY
CHEM-111	PRINCIPLES OF CHEMISTRY I
CITPT-108	INTRODUCTION TO COMPUTER SCIENCE
CS-108	INTRODUCTION TO COMPUTER SCIENCE
ENGL-175	LITERATURE AND IDEAS
ENGL-257	WORLD CLASSICS
ENGL-258	INTERNATIONAL LITERATURE
ENGL-260	NATIVE AMERICAN LITERATURE
ENGL-261	MYTHOLOGIES
ENGR-108	SEMICONDUCTORS, SCIENCE, AND SOCIETY
FSCI-101	INTRODUCTION TO FORENSIC SCIENCE
GEOL-101	PHYSICAL GEOLOGY
GEOL-120	INTRODUCTION TO EARTH SYSTEMS
GIS-271	GEOGRAPHIC INFORMATION SYSTEMS
HUM-101	THE ART AND HISTORY OF THE MOTION PICTURE
HUM-150	INTRODUCTION TO THE ARTS
ID-240	INTEGRATED SCIENCE II
ID 300A - 300V (see course descriptions for options)	
ID-301A	HELLS CANYON INSTITUTE
KIN-220	SOCIAL-CULTURAL ASPECTS OF SPORTS
MUS-101	SURVEY OF MUSIC
MUS-102	MUSIC IN AMERICA
MUS-150	WORLD MUSIC
MUS-151	HISTORY OF MUSICAL THEATER
NP-101	NEZ PERCE LANGUAGE AND CULTURE
NP-102	NEZ PERCE LANGUAGE AND HISTORY
NS-140	INTEGRATED SCIENCE I
NS-150	INTRODUCTION TO NATURAL SCIENCES
NS-174	NATURAL SCIENCE FOR ELEMENTARY EDUCATOR
PHYS-111	GENERAL PHYSICS I

or PHYS-112	GENERAL PHYSICS II
PHYS-171	PHYS SCIENCES FOR ELEMENTARY EDUCATORS
PHYS-205	DESCRIPTIVE ASTRONOMY
PHYS-211	PHYSICS FOR SCIENTISTS AND ENGINEERS I
SPAN-101	ELEMENTARY SPANISH I
SPAN-102	ELEMENTARY SPANISH II
SPAN-201	INTERMEDIATE SPANISH I
SPAN-202	INTERMEDIATE SPANISH II
THEA-101	SURVEY OF THE THEATER
Total Credits	15.00

Program Requirements

Code	Title	Credits
CITPT-101	INTRODUCTION TO WEB DESIGN & DEVELOPMEN	3.00
CITPT-111/311	WEB DEVELOPMENT BASICS	3.00
CITPT-112/312	FUNDAMENTALS OF COMPUTER PROGRAMMING	3.00
CITPT-117/317	WEB DESIGN FUNDAMENTALS	3.00
CITPT-175/375	INTERACTIVE WEB SCRIPTING	3.00
CITPT-180/380	PORTFOLIO DESIGN	3.00
CITPT-265/465	IMAGE EDITING AND ILLUSTRATION	3.00
CITPT-275/475	WEB AUTHORING SYSTEMS	3.00
CITPT-280/480	WEB DEVELOPMENT CAPSTONE	3.00
CITPT-294A	INTERNSHIP IN COMPUTER INFORMATION TECHNOLOGY I	3.00
Select 15 credits from subject CITPT		15.00
Completion of a Technical Skills Assessment is required		
Total Credits		45.00

Sequential Plan of Study

Course	Title	Credits
First Year		
Fall		
CITPT-101	INTRODUCTION TO WEB DESIGN & DEVELOPMEN	3.00
CITPT-111	WEB DEVELOPMENT BASICS	3.00
CITPT-117	WEB DESIGN FUNDAMENTALS	3.00
ENGL-101	WRITING AND RHETORIC I	3.00
Program Requirement	Select CITPT course	3.00
Credits		15.00
Spring		
CITPT-112	FUNDAMENTALS OF COMPUTER PROGRAMMING	3.00
CITPT-265	IMAGE EDITING AND ILLUSTRATION	3.00
CITPT-275	WEB AUTHORING SYSTEMS	3.00
CORE	Mathematical Ways of Knowing	3.00
CORE	Oral Communication	3.00
Credits		15.00
Second Year		
Fall		
CITPT-175	INTERACTIVE WEB SCRIPTING	3.00
CITPT-180	PORTFOLIO DESIGN	3.00
CORE	Additional General Education Course	3.00
Program Requirement	Select CITPT course	3.00
Program Requirement	Select CITPT course	3.00
Credits		15.00

Spring

CITPT-280	WEB DEVELOPMENT CAPSTONE	3.00
CITPT-294A	INTERNSHIP IN COMPUTER INFORMATION TECHNOLOGY I	3.00
CORE	Social & Behavioral Ways of Knowing	3.00
Program Requirement	Select CITPT course	3.00
Program Requirement	Select CITPT course	3.00
Credits		15.00
Total Credits		60.00

Graduates from Web Design and Development programs go on to obtain careers in a variety of fields:

- Web Developer/Manager/Specialist/Coordinator/Administrator
- Web Designer
- Frontend Developer
- Backend Developer
- UI Designer/UX Developer
- Content Strategist

Please check the U.S. Bureau of Labor Statistics website for more information about these careers.